

Permit No. G- 4946

Permit still valid for 7.57 cfs

APPLICATION FOR A PERMIT

To Appropriate the Ground Waters of the State of Oregon

_	I,	CITY OF BEND		(N of one)		••••	
of		CITY OF BEND		(Name or applican	, county of	DESCHUTE	S.
state	of	OREGON described ground t	····	do hereby make	application fo	r a permit to	appropriate the
	If th	e applicant is a co	rporation, give da	te and place of in	corporation		
		January 4, 19	05, Bend, Oreg	jon			
	1. (Five name of near	est stream to which	ch the well, tunn	el or other sou	urce of water	development is
situa	ted	Deschutes Riv	er	(Name of stream)			
feet 1	2. '. per se	The amount of wat	er which the appl gallons per mi	licant intends to nute. (See Atta	apply to bene ched Sheet)	ficial use is	1604 cubic
	3. 2	The use to which th	ne water is to be o	applied is Munic	ipal Water	Supply for	the City
	•••••	of Bend					
	4.	The well or other s	ource is located	ft	and	ft	from the
corn		Well_#l_is_3007					
		1/4. N.E. 1/4					
		1/4. Sec. 5.					
		nin theNW]					
W. M	I., in	the county ofDes	chutes				
	5 . '	ThePipe Lin	(Canal or pipe line)		to be	0.7	miles
in le	ngth,	terminating in th	eSE.1/4SE	1/4 legal subdivision)	of Sec.	31, 7	wp17S,
		, W. M., the pro					
	6.	The name of the w	ell or other works	is. Brooks.W	ell Field		
			DÈSCE	RIPTION OF WO	ORKS		
supp		If the flow to be ut nen not in use must		the works to be u	sed for the co	ntrol and con	servation of the
Not	App	icable	••••••				
	•••••		:				
	•••••			••••••			
	8.	The development	will consist of	4 wells	mber of wells, tunne	els, etc.)	having a
dian		of16 inc	1				
feet	of th	e well will require	16 inch steel	casing. De	pth to water	table is estim	ated548
An	open	12 inch hole i	s planned from	700 to 900 f	t		
						ŧ	1 100 185

Water to be appropriated from each well follows:

		C.F. \$.	G.P.M.
Wel	1 #1	4.0106	1800
	#2	4.0106	1800
,	#3	4.0106	1800
,	#4	4.0106	1800
TOTALS		16.0424	7,200

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#4. Location of wells all in the N.W. 2, Sec. 5, T. 18 S., R. 12 E W.M. as follows:

Well #1 is 3007.14 ft. S. 58°04'01" E. from an iron pipe at the N.W. corner of the NE%, NE%, Sec. 6, T. 18 S., R. 12 E. W.M. within SW%, NW% sec. 5, T. 18 S., R 12 E. W.M.

Well #2 is 3419.16 ft. \$. 55°54'56" E. from an iron pipe at the N.W. corner of the NE%, NE% Sec. 6, T. 18 S., R. 12 E. W.M. within SE%, NW%, Sec 5, T. 18 S., R. 12 E. W.M.

Well #3 is 2250.38 ft. \$. 56°32'59" E. from an iron pipe at the N.W. corner of the NE%, NE% Sec. 6, T. 18 S., R 12 E. W.M. within NW%, NW% Sec. 5, T. 18 S., R. 12 E. W.M.

Well #4 is 3277.36 ft. S. $76^{\circ}48^{\circ}58^{\circ}$ E. from an iron pipe at the N.W. corner of the NE½, NE½ Sec. 6, T. 18 S., R. 12 E. W.M. within NE½, NW½, Sec. 5, T. 18 S., R. 12 E. W.M.

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CANAL	SYSTEM	OR	PIPE	LINE

			of canal where materially changed in size	
headgate. At he	eadgate: width on a	top (at wa	ter line) fee	et; width on bottom
•••••	feet; depth of	water	feet; grade	feet fall per one
thousand feet.				
(b) At	m	iles from	headgate: width on top (at water line)	······
	feet; width on	bottom	feet; depth of water	feet;
grade	feet fall	per one th	ousand feet.	
(c) Leng	th of pipe, 3230	.	. ft.; size at intake	e at ft.
from intake	in.;	size at pla	ce of use16 in.; difference in	elevation between
intake and plac	e of use,+20	N - 1 - 1	ft. Is grade uniform? No pe length 1610 ft; size of intake	Estimated capacity,
12.03 place of use	_{sec.ft} . place +13 ft. Grade r	e of use not unifo	6 in.; difference in elevation beform. Estimated capacity 4.01 Sec. and type ±1800 g.p.m. Vertical line	tween intake and ft.
depending on h	well tests.			
Give hors	sepower and type	of motor o	r engine to be used #400 H.P. electr	ic motor dependir
the difference i Well field a is estimated	n elevation between rea closest appoints to be 548 feet	oroach to	the distance to the nearest point on each of am bed and the ground surface at the sound Deschutes River is 200 feet. Growtream bed. The place of use $City$ of Bend	rce of development ound water source
Township	Range E. or W. of	Triguteu, o	, place of uses.i.s.	Number Acres
N. or S.	Willamette Meridian	Section	Forty-acre Tract	To Be Irrigated
18 S.	12 E.	3	NW 1/4 NW 1/4 N 1/2 SW 1/4	40
****		4	N 1/2 except SE 1/4 NE 1/4	380
		5	SE 1/4 except SE 1/4 SE 1/4	120
17 S	12 E	27	SW 1/4 NW 1/4 - S 1/2 NW 1/4 NW 1/4, W 1/2 SW 1/4 except SE 1	1
	***	28	S 1/2 NE 1/4,SW 1/4 NW 1/4,NE 1/4 SE 1/4,S 1/2 SE 1/4,S 1/2 SW 1/4	
		29	SE 1/4 NE 1/4, S 1/2 SW 1/4, E 1 SE 1/4, SW 1/4 SE 1/4, E1/2 NW 1	
		30	S 1/2 SW 1/4, S 1/2 SE 1/4	160
		31	E 1/2 NW 1/4, N 1/2 NE 1/4 SW 1/4 SE 1/4 NE 1/4	• 420
		32	All	640
		33	All except \$ E 1/4NE 1/4 and except NE 1/4 SE 1/4	560
	,	,34	W1/2 SW 1/4 SW 1/4,N 1/2 NW 1/4	40
17 S	11 E	25	SE 1/4 SW 1/4, SE 1/4 except SW 1/ SW 1/4 SE 1/4	
			pace required, attach separate sheet)	3500.0
Chamasta	r of soil Sand	lv		

ASSISTANT

13. To supply the city of Bend
in Deschutes county, having a present population of 13,700
and an estimated population of19,000 in 1980.
ANSWER QUESTIONS 14, 15, 16, 17 AND 18 IN ALL CASES
14. Estimated cost of proposed works, \$603,000.00
15. Construction work will begin on or before 1972
16. Construction work will be completed on or before1978
17. The water will be completely applied to the proposed use on or before1980
18. If the ground water supply is supplemental to an existing water supply, identify any application for permit, permit, certificate or adjudicated right to appropriate water, made or held by the
applicant. 17.13 Cfs water rights held from Tumalo Irrigation District
(Signature of Applicant) City Manager
Remarks:
This application is a first attempt by the City of Bend to obtain a deep well water
supplyadjacent.totheCitylimitsThe.present.surfacesupply.must.be.supplemente
to.meetthegrowingdemand,oramoratorium.placed.onthebuildingincreasecurrent
in progress. Bid openings on Well-#l-are scheduled on October-18, 1971. If un-
correctable-deficiencies-exist-which-would-jeopardize-this-application; please-
telephone the City Manager by October 19, 1971.
STATE OF OREGON, county of Marion, ss.
Country by Marton,
This is to certify that I have examined the foregoing application, together with the accompanyin
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This is to certify that I have examined the foregoing application, together with the accompanyin maps and data, and return the same for
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PERMIT

\$ 8.47 cfs issued Cert 200158

see Special order Vol. 49, Page 164

Permit 2-4946 to till valid for 7.57

This is to certify that I have examined the foregoing application and do hereby grant the same, SUBJECT TO EXISTING RIGHTS and the following limitations and conditions:

The ri and shall not or source of wells bein The u	ght herein granted is 2.57 exceed 16.04 appropriation, or its ag 4.01 cfs from se to which this wate	equivalent in case of r each well	t of water who	ich can be applied to be the point of diversion for their water users, from micipal use	rom the well
			* * * * * * * * * * * * * * * * * * * *	o a diversion of not to e	
acre feet per	r acre for each acre i	rrigated during the irr	igation season	of each year;	······································
	t				
The u the works si The u line, adequa The p shall keep o	well shall be cased as hall include proper covers constructed shate to determine wat bermittee shall instal a complete record of priority date of this p	necessary in accordan apping and control valual include an air line of er level elevation in the land maintain a weir, the amount of ground permit is	ce with good ve to prevent to the total pressure give well at all to meter, or other withdown october 13.	her suitable measuring rawn.	w is artesian er. for measuring device, and
				uary 16, 1973	<u>~</u>
thereafter to	ne prosecuted with r	reasonable alligence ar ne water to the propose	d use shall be	ed on or before Octobe Exter made on or before Octo	ber 1, 19.74 §
		16th day of		Extended to Oct. 1979 19.72	Extended to Oct. 1978
	,		BC	extended to 57	ATE ENGINEER
Application No. G-5644 Permit No. G-4946	PERMIT TO APPROPRIATE THE GROUND WATERS OF THE STATE OF OREGON	This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 13th day of Cheber, 1971, at 8:00 o'clock AM.	Returned to applicant:	Approved: February 16, 1972 Recorded in book No. Ground Water Permits on page G-4946	CHRIS L. WHEELER STATE ENGINEER Drainage Basin No. 5. page 47.